

BETEK THERMAL INSULATION GROUP

BETEK-TECT 136 2.00 mm

DESCRIPTION

Cement-based, light, fiber-reinforced top coat interior and exterior coating that creates a natural texture on the surface.

APPLICATION AREAS

Used safely on finish plaster, smooth rough-cast, concrete, gas concrete or on old self-supporting silicate or acrylic-based paints for refreshing or on thermal and sound insulation materials like polystyrene-based and rock wool plates.

SPECIFICATIONS

- Ideal exterior coating for thermal insulation systems with its perfect vapor permeability thanks to its cement-based special formula.
- Resistant against external weather conditions and water-repellent. Prevents moisture accumulation.
- Easy to apply and pattern due to its light form.
- Adds a natural and decorative appearance. Provides a homogeneous pattern thanks to its granule harmony.
- Hides surface defects.
- Ensures full compliance and high adherence to application surfaces.
- No cracking and falling thanks to the fibers in its formula.
- Pure white.
- Must be painted with **Betek Exterior Colors** that have many alternatives.

TECHNICAL SPECIFICATIONS

Compression Resistance : > 3.0 N/mm² EN 196

Bending Resistance : > 1.5 N/mm² EN 196

Thickness : Max. 2.0 mm

COLOR

White

SURFACE PREPARATION

Ensure the surface is clean, dry and secure. Apply at least 48 hours after applying **Betektect Thermal Insulation Plaster** with 4mm thickness so that the plaster is completely dry. Apply **Betektect Primer**. Cover porous and absorbent surfaces like gas concrete with **Betektect 136 (2.00 mm)** only after priming with a thin layer using thermal insulation plaster. Ensure the old paint adherence is full for applications on old painted surfaces.

MORTAR PREPARATION

Add clean and cold water into **Betektect 136 (2.00 mm)** slowly, and mix for approximately 10 minutes with a low speed mixer until the mixture is free from pellets. Rest the mixture for 5 minutes and mix again. Readjust the consistency by adding water, if required. Adjust the required water amount according to the weather conditions. Mortar can be mixed with suitable mixing machine and applied to the surface by spraying. Be careful not to corrode the particles inside the product while mixing with machine. Use equal amounts of water for each mortar party. Otherwise pattern and shade may differ. Consume the prepared mixture within 2 hours according to the weather conditions. Do not reuse the hardened material by reconstituting.

BLENDING

Blend 25 kg **Betektect 136 (2.00 mm)** with 6.5 to 7.5 L water depending on the weather conditions.

APPLICATION

Apply the homogeneous mixture to the surface smoothly with a steel trowel or a suitable spraying machine, and remove the excess from the surface to obtain a layer at particle thickness. Pattern the surface within maximum 10 minutes after applying **Betektect 136 (2.00 mm)** to the surface in a homogeneous way. Pattern with circular motions using a plastic or polyurethane trowel to obtain a fine-grained texture. Scrape the trowel surface frequently to obtain a good pattern. Use the same batch numbered products on the same surface. Ensure that sufficient amount of people work during application to prevent overlapping on large surfaces, and ensure that product is applied without any break up to the joint ends or detail corners without leaving a gap. Abstain from applying under direct sun light, on hot surfaces heated by sunlight, during strong winds, fog and high relative humidity, and heavy rain. Use protective canvas, if required. Ensure that the sub-layer and air temperatures are min. +5 °C and max. +30 °C during application. Moisturize the surfaces regularly with spraying method (unpressurized water) to prevent sudden loss of water and reduction in strength of mineral coating at temperatures above 25 °C. Wait 24 hours for coloring the top under normal conditions.

DRYING TIME

Surface dryness: 24 hours at 20 °C and 65% RH. Full dryness: 2-3 days. Low temperature and high relative humidity lengthen drying time.

CONSUMPTION

Dry product consumption: 1.9-2.2 kg/m²

Please note that specified consumption values may vary depending on the surface and application conditions. Controlled sample application must be done for precise coverage / consumption.

PACKAGING

25 kg craft bag

STORAGE

May be stored up to 6 months in dry form protected from humidity.

CAUTION!

There may be differences in the shades of the products due to ambient temperature, surface absorbing capacity, amount of water, mixing period, primer of the application surface and different production batches. **Betektect Primer** must be used in all coating applications. The primer that you will use can be colored approximately with **Betekmatic** tubes. The entire surface should be painted with 2 coats of **Betek Exterior Paints** to increase the resistance of **Betektect 136 (2.00 mm)** against dirt and external impacts, and to prevent shade difference. Consumption amount may differ based on pattern. Check the color before application. Buy materials based on need.

NOTE: If exposed to precipitation, dew and moisture until paint application, 1 unit of **Betek Boxan 451** + 1 unit of water mixture should be applied to the surface before top coat paint.

**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

P362 Take off contaminated clothing and wash before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

Brightness

: Class G3

Dry Film Thickness

: Class E5

Granule Size : Class S4**Water Vapor Transmission Rate**

: Class V1

Water Transmission Rate

: Class W3

Crack Coverage Capacity

: Class A0

Carbon Dioxide Permeability : Class C0